

A COUPLING DEVICE FOR CONNECTING A REPLACEABLE
FILTER ELEMENT TO A CONDUIT

THE ABSTRACT OF THE DISCLOSURE

5 A coupling device for connecting a filter element to a fluid conduit has a male coupling secured to either the fluid conduit or the filter element. The male coupling also has at least two radially projecting tabs. A polymeric female coupling engages with the male coupling for securing the filter element on the fluid conduit. The female coupling also has lands for receiving the tabs. The male and female couplings each have a passageway for fluid and that generally defines an axial direction. Each tab is configured for distributing an axial force generally throughout the tab and laterally relative the axial direction so that either the land being forced against the tab or the tab being forced against the land does not damage the female coupling and as long as the filter element remains secured to the fluid conduit